

SUNY Purchase College				
THEATER				
SUCF 29401 HUMANITIES BUILDNG RENOVATION			Section 27 41 16	
GROUP III AV SYSTEMS EQUIPMENT SCHEDULE				
KA Project #2639				
DATE: 5 November 2014				
BIDDERS SHALL CONFIRM ALL MODEL NUMBERS, QUANTITIES AND ACCESSORIES				
<p>NOTE: Brand names and model numbers listed herein represent the design basis used in this project. Except for those products listed as "XSTNG" (existing) or "OFE" (sole-sourced Owner Furnished Equipment), substitutions will be considered through the prescribed submittal process. Provide documentation supporting the equivalency of each requested substitution. No more than two substitutes for a given item will be considered, with the second submitted only if the first is rejected, with no implied assurance that either will be accepted. Costs of redesign to accommodate any substitution shall be borne by the Bidder, regardless of success or failure in being awarded this project. Any construction cost related to using an approved substitution shall be borne by the Contractor, having pursued such substitution(s). Submittals after award of Contract shall include incorporation of approved substitutions as if made part of the original Bid Documents.</p>				
Description	Manufacturer	Model	Qty	Note
Loudspeakers & Amplification				
Main Left and Right and Stage Foldback Loudspeakers	Electro Voice	FRI+122-94	4	XSTNG
Main Lower Center Loudspeaker	Electro Voice	FRI+122-64	2	XSTNG
Main Subwoofers		FRI+181s	2	XSTNG
Rigging Plates for Center Cluster Loudspeakers	Adaptive Technologies Group	FP-FRI-1x2-B	1	
Rigging Cables for Center Cluster Loudspeakers	Adaptive Technologies Group	TCK-014	1	
Pipe Mount for Left and Right Loudspeakers	Adaptive Technologies Group	PM-MOUNT-6DOWN	2	
Support Arm for Left and Right Loudspeakers	Adaptive Technologies Group	PM-SA-12	2	
Swivel Beam and Cable Sling for Left and Right Loudspeakers (attach swivel beam to support arm)	Adaptive Technologies Group	(As per existing)	2	XSTNG
Misc. hardware require to implement loudspeaker rigging	TBD by Group III AV Contractor			
Effects Loudspeakers - Surround	EAW	CR-72	6	XSTNG
Front-Fill Loudspeakers	Innovox	SL 1.1US	5	OFE
Portable Monitors	EAW	VFM109-BLACK	2	
Factory Refurbish Surround Loudspeakers Including New Grilles	EAW	N/A	6	
Test and Clean Existing ElectroVoice FRI+ Loudspeakers; Report Defects	Group III AV Contractor	N/A	8	
Power Amplifier - (Main L,C,R)	QSC	RMX 2450	2	XSTNG
Power Amplifier - (Stage Foldback & ?)	QSC	RMX 2450	1	
Power Amplifier - (Surround/Effects & Portable Stage Monitors)	QSC	RMX 1450	2	XSTNG
Power Amplifier - (Surround/Effects & Portable Stage Monitors)	QSC	RMX 1450	2	
Power Amplifier - (Front Fills)	QSC	RMX 850	1	XSTNG
Power Amplifier - (Subwoofers)	QSC	RMX 2450	1	XSTNG
Test and Clean (inside and outside) Existing Power Amplifiers; Report Defects	Group III AV Contractor	N/A	6	
Audio Electronics				
Solid State Recorder	Tascam	SS-CDR200	1	
CD/USB Player	Denon	DN-501C	1	
Wireless Microphone Systems	Shure	ULXS24/58	2	
Wireless Microphone Receiver	Shure	ULXS4	2	
Wireless Microphone Beltpack Transmitter	Shure	ULX1	4	
Active Antenna Distribution	Shure	UA844SWB	1	
Lavaliere Microphones w/ Tie Clip (Black)	Countryman	B3W4FF05B-SL Lt Black	4	
Monitor/Hearing Assist Mics	Audio-Technica	U853PM	2	
DSP	BSS Soundweb	London BLU-160	1	
DSP	BSS Soundweb	London BLU-100	1	
DSP AES/EBU Input Card	BSS Soundweb	BLUDIGITAL-IN	2	
DSP Analog Input Card	BSS Soundweb	BLUCARD-IN	1	
DSP Analog Output Card	BSS Soundweb	BLUCARD-OUT	1	

Description	Manufacturer	Model	Qty	Note
DSP B.I.B.	BSS Soundweb	BLU-BIB	1	
Monitor/Record Microphone Preamp	Presonus	Blue Tube DP V2	1	
Surround Preamp	Extron	SSP 7.1	1	OFF
Unbalanced to balanced interface	Whirlwind	LM2B	1	
S/PDIF Coax to/from AES/EBU	Hosa	CDL-313	2	
S/PDIF Optical to AES/EBU	Hosa	CDL-312	1	
Mixing Console & Accessories				
Digital Mixing Console	Yamaha	LS9-32	1	
AES/EBU I/O Card for Mixing Console	Yamaha	MY8AE-AC	1	
Console Light	Yamaha	PM LIGHT 5W	1	
Monitor/Page System				
Monitor/Page Loudspeakers	Atlas Soundolier	FAP62T	6	
35W Loudspeaker Attenuators	Atlas Soundolier	AT35	3	
24 VDC power Supply	TBD by Contractor	TBD	1	
Hearing Assistance System				
Single-Channel Transmitter	Listen Technologies	LT-800	1	
One-Channel Receiver (4% of seat count)	Listen Technologies	LR-300	9	
Mini Earbud Earphone	Listen Technologies	LA-162	12	
Earbud Replacement Covers	Listen Technologies	LA-163	8	
Neckloop	Listen Technologies	LA-166	3	
Rack-Mount Kit	Listen Technologies	LA-326	1	
1/2 Wave Dipole Gain Antenna	Listen Technologies	LA-123	1	
4-Pocket Receiver Charger	Listen Technologies	LA-317	2	
ADA Wall Plaque	Listen Technologies	LA-304	1	
Rechargeable NiCad Batteries	Listen Technologies	LA-362	12	
Production Intercom				
2-Channel Party-Line Main Station	Clearcom	MS-702	1	XSTNG
4-Channel Party-Line Main Station	Clearcom	MS-704	1	
Power Supply Isolator Card	Clearcom	MT-1	4	
External Terminating and Linking Circuits	by Group III AV Contractor	Custom	4	
Single Channel Belt Pack	Clear Com	RS601	4	
Single Ear Closed Muff Headset	Clear Com	CC-95	4	
Control Equipment				
Mobile Rack Control Processor	Extron	IPL PRO S3	1	OFF
5" Touchpanel	Extron	TLP Pro 520M	2	OFF
Touchpanel Tabletop Kit	Extron	SMB-1	2	OFF
Video Projection				
Video Projector	Christie Digital	WU12K-M	1	
Projector Lens	Christie Digital	ILS Lens 2.8-4.5:1 SX+/2.6-4.1:1 HD 118- 100114-XX	1	
Projector Ceiling Mount	Christie Digital	118-100108-01	1	
Motorized Front Projection Screen	Draper	Paragon 16:9 214x120	1	by G.C.
Projector Screen Control Low-Voltage Control & 2 LV Switches	Draper	121058	1	
Video Projector Unistrut Mounting Frame and Support Rods	by Group III AV Contractor	N/A	1	
Video Electronics				
Fixed Camera with Motor Zoom and Camera Interface	Vaddio	ZoomShot USB	1	
Rackmount for Camera Interface	Vaddio	998-6000-004	1	
Blu-Ray Player	Pioneer	BDP-62FD	2	
Rack Video Monitor	Totevision	LED-1002HD2	1	
Backstage Monitor	Samsung	UN32EH5000FXZA	1	

Description	Manufacturer	Model	Qty	Note
29" TV monitors for stage	Samsung	UN32EH5000FXZA	2	
Down-tilt Mounts for TV Monitors	TBD by Group III AV Contractor	TBD	3	
HDMI Computer Interface	Blackmagic Design	H.264 Pro Recorder	1	
1x2 HDMI Splitter	Aurora Multimedia	ASP-12H-4K	1	
HDMI Extender Transmitter (Backstage)	Extron	DTP HDMI 230 Tx	1	OFF
HDMI Extender Receiver (Projector, Backstage and AVP101)	Extron	DTP HDMI 230 Rx	3	OFF
Multi-Input Digital Audio/Video Transmitter	Extron	DTP UWP 332 D (Black)	3	OFF
Digital Video Switcher and Control Processor	Extron	DTP Crosspoint 84 IPCP MA 70	1	OFF
VGA to HDMI converter	Atlona	AT-HD500	1	
DVI to HDMI Adaptor	TBD by Group III AV Contractor	TBD	1	
Component (YPbPr) Distribution Amp	Ocean Matrix (or equal/similar)	HDDA-2	1	
Component (YPbPr) CAT5/6 Extender	MuxLab	500052-2PK	2	
Panels				
Mobile Rack Connection Panel	Whirlwind, RCI, Wireworks or approved equal	N/A	1	
Mobile Rack Page Panel	Whirlwind, RCI, Wireworks or approved equal	N/A	1	
Video I/O Rack Panel	Whirlwind, RCI, Wireworks or approved equal	N/A	1	
Loudspeaker Patch Panel	TBD by Contractor	Custom	1	
Surround/Effects/Aux Amplifier Output panel	TBD by Contractor	Custom	2	
Intercom Linking Panels (TV Studio panel also provided in this package)	TBD by Contractor	Custom	2	
Patchbays and Accessories				
Network Patch Cables: 3', Cat6A	Hubbell (or equal)	HC6AP03	12	
Network Patch Cables: 1', Cat6A	Hubbell or equal	HC6AR01	12	
Lockable Patch Cables: 1' CAT6	Blackbox	LockPort C6UR-SK-STR-001GN	4	
Ruggedized AV DATA Patch Cables (Neutrik etherCon with cable plug carrier on one end and other end without)	Neutrik	NKE6S-3-WOC	6	
Ruggedized AV DATA Patch Cables (Neutrik etherCon with cable plug carrier on one end and other end without)	Neutrik	NKE6S-10-WOC	6	
Ruggedized AV DATA Patch Cables (Neutrik etherCon with cable plug carriers both ends)	Neutrik	NKE6S-5	4	
Ruggedized AV DATA Patch Cables (Neutrik etherCon with cable plug carriers both ends)	Neutrik	NKE6S-10	4	
2' Video Patch Cables [Patch to Patch]	Audio Accessories (or equal by Whirlwind, ProCo or ADC)	VPC-24	6	
2' Video Patch Cables [Patch to BNC]	Audio Accessories (or equal by Whirlwind, ProCo or ADC)	VPBN-24	6	
3' Mic Patch Cables [black]	Audio Accessories (or equal by Whirlwind, ProCo or ADC)	823B	20	
3' Line Patch Cables [black]	Audio Accessories (or equal by Whirlwind, ProCo or ADC)	623B	10	
3' Line Patch Cables [green]	Audio Accessories (or equal by Whirlwind, ProCo or ADC)	623D	10	
9' Mic Patch to Male XLR Adapters	Audio Accessories (or equal by	839B	4	
9' Mic Patch to Female XLR Adapters	Audio Accessories (or equal by	849B	4	
9' Line Patch to Male XLR Adapters	Audio Accessories (or equal by	636B	4	
9' Line Patch to Female XLR Adapters	Audio Accessories (or equal by	646B	4	
Loudspeaker patch cables	ProCo	S144NN-3/Custom Wired	12	
Patch Cord Holder	Audio Accessories	VPCH-X	1	
Patch Cord Holder	Audio Accessories	PCH-X	2	
Patch Cord Holder	Audio Accessories	PCH-N	2	

Description	Manufacturer	Model	Qty	Note
Snake Cables				
8-Channel Snake Cable; XLR-F-XLR-M;15'	Whirlwind (or approved equal)	MT8MF15	2	
4-Channel Snake Cable; XLR-F-XLR-M;10'	Whirlwind (or approved equal)	MT4MF10	3	
4-Channel Snake Cable; XLR-F-XLR-M;20'	Whirlwind (or approved equal)	MT4MF20	3	
AES/EBU Snake; 15'	Whirlwind (or approved equal)	DBF3-FM-015	1	
Cable in Conduit (Provided by AV Infrastructure Contract. Listed here in the event additional cable in conduit is required.)				
Mic Cable in Conduit, AES3 compliant	West Penn (or equal by Belden)	DA2401 (Belden 1800B)	Lot	
Line-Level Cable in Conduit, AES3 complaint	West Penn (or equal by Belden)	DA2401 (Belden 1800B)	Lot	
Intercom Shielded-Pair Cable in Conduit	West Penn (or equal by Belden)	DA2401 or 291 (Belden 1800B or 8451)	Lot	
Jacketed Loudspeaker Cable in Conduit - Main Loudspeakers	West Penn (or equal by Belden)	C210 (Belden 5T00UP)	Lot	
Unjacketed Loudspeaker Cable in Conduit - Monitor/ Effects Loudspeakers	West Penn (or equal by Belden)	C207 (Belden 1860A)	Lot	
Unjacketed Loudspeaker Cable in Conduit - Monitor/Page Ceiling Loudspeakers	West Penn (or equal by Belden)	C205 (Belden 1862A)	Lot	
Video Cable in Conduit	West Penn (or equal by Belden)	6350 (Belden 1694A)	Lot	
AV Data Cable in Conduit, Cat6	West Penn (or equal by Belden or AMP)	4246 (Belden 7883)(AMP 219560)	Lot	
Video Transport Category 6 F/UTP Cable in Conduit	West Penn (or equal by Belden)	4246F (Belden 1351A)	Lot	
H.A.S Antenna Cable	West Penn (or equal by Belden)	810 (Belden 8237)	Lot	
Portable Equipment				
Wired Microphones and Accessories				
Headphones	Sennheiser	HD280 Pro	1	
Performance Cardioid Condenser Mic	Shure	SM87	2	
Instrument Dynamic Microphone	Shure	SM-57	2	
Dynamic Vocal Microphone	Shure	SM58	4	
Choir/ General Purpose Microphone	Audio-Technica	U853R	3	
Monitor/H.A.S./ Archival Recording Microphones	Audio-Technica	U853R	2	
Boundary Microphone	Crown	PCC160	3	
Short Telescoping Stands	Atlas or Equal	DMS10E	2	
Standard Upright Stands	Atlas or Equal	MS-20E	6	
Microphone Stands w/Booms	Quiklok	A-50AM	2	
Tripod-Base Mic Stands	K&M	201A/2-Black	10	
31" One-Piece Microphone Boom Arms	K&M	211-Black	4	
Telescoping Microphone Boom Arms	K&M	211/1-Black	6	
Desk Stands	Atlas Sound	DS-7E	2	
Foam Windscreens	Full Compass	300-Black	8	
Passive Direct Boxes	ProCo	DB-1	2	
Portable Cables and Adapters				
Microphone Cables	Whirlwind/ProCo or Equal	10ft	8	
Microphone Cables	Whirlwind/ProCo or Equal	25ft	8	
Microphone Cables	Whirlwind/ProCo or Equal	50ft	4	
XLR Adapter	Neutrik, Switchcraft or Equal	NA3FF/W	4	
XLR Adapter	Neutrik, Switchcraft or Equal	NA3MM/W	4	
XLR-TRS Adapter	Neutrik, Switchcraft or Equal	NA3FP/W	4	
XLR-TRS Adapter	Neutrik, Switchcraft or Equal	NA3MP/W	4	
XLR-RCA Adapter	Neutrik, Switchcraft or Equal	NA2FPMM/W	4	
XLR-RCA Adapter	Neutrik, Switchcraft or Equal	NA2MPMM/W	4	
Portable Loudspeaker Cables	Neutrik Speakon/Pro-Co 14AWG	50ft	1	
Portable Loudspeaker Cables	Neutrik Speakon/Pro-Co 14AWG	25ft	4	
Portable Loudspeaker Cables	Neutrik Speakon/Pro-Co 14AWG	10ft	4	
Portable Loudspeaker Extenders	Neutrik	NL4MMX	2	
BNC Video Cables	Belden, West Penn or Extron	10'	4	

Description	Manufacturer	Model	Qty	Note
BNC Video Cables	Belden, West Penn or Extron	25'	4	
BNC to RCA Adapters	by Contractor	TBD	10	
VGA Video Cable with Audio	Extron	MVGA-AM-M 12' (26-566-03)	2	OFE
MISCELLANEOUS				
AVPs (by others, AV Infrastructure Contract)	Custom	by Contractor	Lot	
JBs (by others, AV Infrastructure Contract)	Custom	by Contractor	Lot	
AV Floor Box (by others, AV Infrastructure Contract)	Ace Backstage	#132SLBK	2	
Mobile Ancillary Rack (18 RU, 18"-deep; 1/4"-ply; ATA-style; non-shockmount; 3-1/2" heavy-duty casters; front and rear removable covers; recessed latches	Calzone-Anvil (or approved equal)	Custom TBD	1	
Portable Stage Manager Rack (6 RU, 18"-deep; 1/4"-ply; ATA-style; non-shockmount; 3-1/2" heavy-duty casters; front and rear removable covers; recessed latches	Calzone-Anvil (or approved equal)	Custom TBD	1	
UPS Backup for Audio DSP	Tripplite	SMART1500LCD	1	
Small-Device Rack Shelf	Middle Atlantic	UFA 8	2	
Small-Device Rack Shelf Face Panel	Middle Atlantic	UFAF-1	2	
Locking Rack Drawer for Mobile Ancillary	Middle Atlantic	D2LK	1	
Locking Rack Drawer for Booth Racks	Middle Atlantic	D3LK	1	
Copper Bus Bar	Custom	by Contractor	2	
Rack Lights/Power Conditioner	Fuman	PL-8-C	4	
Power Sequencing System Components (omit Mobile Ancillary Rack); 20A sequenced relay per branch circuit at racks; additional receptacles loaded on relays as necessary	Middle Atlantic, Furman, Atlas (or equal submitted for approval)	TBD by Contractor	Lot	
1lb. Sand bags to stuff cable pass to Audience Chamber when cable pass is in use	Stage-n-Studio.com	PSB-01B	2	
2 lb. Sand bags, as above	Stage-n-Studio.com	PSB-02B	2	
Miscellaneous Vent and Blanks	Middle Atlantic or equal	Various	Lot	
Miscellaneous Security Screws	Middle Atlantic or equal	HS	Lot	
Miscellaneous Wire and Hardware	Various	Various	Lot	
Integrator/Consultant Acknowledgement Plate for Fixed Equipment Racks	Custom	Custom	Lot	